NVIDIA® Quadro® K4000 SDI

VCQK4000SDI-PB

NVIDIA Quadro K4000 SDI – New integrated graphics-to-video solution for Broadcast, Video and Film

With the NVIDIA Quadro K4000 SDI you can count on superior interaction when utilizing sophisticated virtual sets, augmented reality broadcast solutions, or rendering richer scene details and effects for video, film, or broadcast production. With 3 GB of GDDR5 graphics memory, 768 NVIDIA CUDA™ parallel processing cores and built on the latest NVIDIA Kepler™ architecture, the NVIDIA Quadro 4000K SDI delivers excellent performance for applications requiring real-time graphics with output to SD, HD and 2K video.

The SDI Output card allows television and film production, post-production, and finishing professionals to preview the results of 3D compositing, editing, and color grading in real-time on high definition broadcast monitors. The 8-, 10-, or 12-bit SDI generated from programmable graphics enables a direct connection to broadcast monitors, switchers, tape decks, or SDI projectors.

Package Includes:
- NVIDIA Quadro K4000 professional graphics board
- NVIDIA Quadro SDI Capture board
- Stereo connector bracket
- DisplayPort to DVI-D SL adapter
- DVI-I to VGA adapter
- 6-pin auxiliary power cable
- 4-pin auxiliary power cable
- Driver DVD for Windows 7, Vista, and XP SP3 (32- and 64-bit)
- Printed K4000 QuickStart Guide

PNY Advantage:
- 3 year warranty
- Support for NVIDIA Quadro in any system brand
- Pre-and post sales assistance
- Toll-free professional technical support
- Dedicated Field Application Engineers

PNY provides unsurpassed service and commitment to its professional graphics customers. In addition, PNY delivers a complete solution including the appropriate adapters, cables, brackets, driver CD and documentation to ensure a quick and successful install.

PRODUCT SPECIFICATIONS:	
GPU Memory	3GB GDDR5
Memory Interface	192-bit
Memory Bandwidth	134GB/s
CUDA™ Cores	768
K4000 System Interface	PCI Express 2.0 ×16
SDI Output System Interface	Any available slot
K4000 Maximum Power	80W
K4000 Idle Power	18W
SDI Output Maximum Power	7W
Energy Star Enabling	Yes
K000 Thermal Solution	Ultra-quiet active fansink
SDI Output Thermal Solution	Passive
K4000 Dimensions	4.376″ H × 9.50″ L, Single Slot, Full Height
SDI Output Dimensions	3.875″ H × 6.60″ L Single Slot
K4000 Display Connectors	DVI-I DL + DP 1.2 + DP 1.2 + Stereo
DisplayPort 1.2	Yes
DisplayPort with Audio	Yes
DVI-D SL connectors	Yes, via included adapter
VGA connector	Yes, via included adapter
Number of Displays Supported	3
SDI Output Connectors	3 BNC (SDI Fill, SDI Key, Genlock)
Maximum DP 1.2 Resolution	3840 × 2160 at 60Hz
Maximum DVI DL Resolution	2560 × 1600 at 60Hz
Maximum DVI SL Resolution	1920 × 1200 at 60Hz
Maximum VGA Resolution	2048 × 1536 at 85Hz
HDCP Support	Yes
Professional 3D Support	Yes, via included stereo connector bracket
Graphics APIs	Shader Model 5.0, OpenGL 4.3, DirectX 11
Compute APIs	CUDA, DirectCompute, OpenCL
NVIDIA 3D Vision Pro Ready	Yes
Warranty	3 Years
PNY Part Number	VCQK4000SDI-PB

For more information visit: www.pny.com/quadro

Make Life Simple™